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=> s (drug delivery) and metal? and coat?  
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L1 21198 (DRUG DELIVERY) AND METAL? AND COAT?

=> s l1 and ((multiple layer?) or multilayer?)  
L2 1012 L1 AND ((MULTIPLE LAYER?) OR MULTILAYER?)

=> s l2 and stent  
L3 243 L2 AND STENT

=> s l3 and composite  
L4 121 L3 AND COMPOSITE

=> s l4 and (electroly? or electrochemi?)  
L5 31 L4 AND (ELECTROLY? OR ELECTROCHEMI?)

=> d l5 1-31 ibib abs

L5 ANSWER 1 OF 31 USPATFULL on STN  
ACCESSION NUMBER: 2005:319275 USPATFULL  
TITLE: Medical device  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

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NEWS	17	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	18	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	19	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	20	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	21	FEB 28	TOXCENTER reloaded with enhancements
NEWS	22	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	23	MAR 01	INSPEC reloaded and enhanced
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	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2005278020	A1	20051215
APPLICATION INFO.:	US 2005-136630	A1	20050524 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2005-85726, filed on 21 Mar 2005, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, GRANTED, Pat. No. US 6914412 Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	66 Drawing Page(s)		
LINE COUNT:	5784		

AB An implantable medical device comprised of a lumen. When the device is, at different points in time, exposed to two different radio frequency electromagnetic radiations, one of whose frequencies differs from the other by a factor of at least 1.5, at least 90 percent of each of the radio frequency electromagnetic radiations penetrates to the lumen of the device.

L5 ANSWER 2 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2005:300093 USPATFULL  
 TITLE: Medical device  
 INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
 Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2005261763	A1	20051124
APPLICATION INFO.:	US 2005-133768	A1	20050520 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2005-115886, filed on 27 Apr 2005, PENDING Continuation-in-part of Ser. No. US 2005-85726, filed on 21 Mar 2005, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed		

on 22 Dec 2003, PENDING Continuation-in-part of Ser.  
No. US 2003-442420, filed on 21 May 2003, GRANTED, Pat.  
No. US 6914412 Continuation-in-part of Ser. No. US  
2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US  
6815609

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US  
NUMBER OF CLAIMS: 28  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 62 Drawing Page(s)  
LINE COUNT: 5671

AB An implantable medical device comprised of a lumen with a volume of from  
about 1+10.sup.-7 cubic meters to 1+10.sup.-5 cubic meters  
wherein, when said device is exposed to radio frequency electromagnetic  
radiation with a frequency of from 10 megahertz to about 200 megahertz,  
at least 90 percent of the electromagnetic radiation penetrates to the  
lumen of the device, and the concentration of the electromagnetic  
radiation that penetrates to the lumen of the device is substantially  
identical at different points within such lumen.

L5 ANSWER 3 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:300090 USPATFULL  
TITLE: Medical devices and methods of making the same  
INVENTOR(S): Weber, Jan, Maple Grove, MN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005261760	A1	20051124
APPLICATION INFO.:	US 2005-127968	A1	20050512 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-985242, filed on 10 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-849742, filed on 20 May 2004, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FISH & RICHARDSON PC, P.O. BOX 1022, MINNEAPOLIS, MN, 55440-1022, US		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1317		

AB Medical devices, such as endoprostheses, and methods of making the  
devices are described. In some embodiments, the invention features a  
medical device including a generally tubular body including a  
biodisintegrable material, and a polyelectrolyte on the generally  
tubular body. The polyelectrolyte can be used to delay and/or slow the  
disintegration of the biodisintegrable material.

L5 ANSWER 4 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:280395 USPATFULL  
TITLE: Medical device with a marker  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005244337	A1	20051103
APPLICATION INFO.:	US 2005-115886	A1	20050427 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2005-85726, filed on 21 Mar 2005, PENDING Continuation-in-part of Ser.		

No. US 2004-887521, filed on 7 Jul 2004, PENDING  
 Continuation-in-part of Ser. No. US 2004-867517, filed  
 on 14 Jun 2004, PENDING Continuation-in-part of Ser.  
 No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat.  
 No. US 6846985 Continuation-in-part of Ser. No. US  
 2004-808618, filed on 24 Mar 2004, PENDING  
 Continuation-in-part of Ser. No. US 2004-786198, filed  
 on 25 Feb 2004, PENDING Continuation-in-part of Ser.  
 No. US 2004-780045, filed on 17 Feb 2004, PENDING  
 Continuation-in-part of Ser. No. US 2003-747472, filed  
 on 29 Dec 2003, PENDING Continuation-in-part of Ser.  
 No. US 2003-744543, filed on 22 Dec 2003, PENDING  
 Continuation-in-part of Ser. No. US 2003-442420, filed  
 on 21 May 2003, GRANTED, Pat. No. US 6914412  
 Continuation-in-part of Ser. No. US 2003-409505, filed  
 on 8 Apr 2003, GRANTED, Pat. No. US 6815609

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
 SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US  
 NUMBER OF CLAIMS: 14  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 62 Drawing Page(s)  
 LINE COUNT: 5423

AB A contrast-enhancing agent that has a saturation magnetization of at  
 least 1.5 Tesla and that, when contacted with MRI radiation, provides a  
 first gray scale response that is substantially uniform and that has a  
 resolution of at least about 1 millimeter. When the contrast-enhancing  
 agent is repeatedly contacted with said MRI radiation over a period of  
 at least one year, it will repeatedly produce gray scale responses which  
 are substantially identical to the first gray scale response.

L5 ANSWER 5 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:275535 USPATFULL  
 TITLE: MRI imageable medical device  
 INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
 Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005240100	A1	20051027
APPLICATION INFO.:	US 2005-85726	A1	20050321 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, GRANTED, Pat. No. US 6914412 Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET

SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US

NUMBER OF CLAIMS: 55  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 59 Drawing Page(s)  
LINE COUNT: 5688

AB A **coated** assembly with an inductance of from about 0.1 to about 5 nanohenries and a capacitance of from about 0.1 to about 10 nanofarads. The **coated** assembly contains a **stent** and a **coating**. When the assembly is exposed to radio frequency electromagnetic radiation with a frequency of from 10 megahertz to about 200 megahertz, at least 90 percent of the electromagnetic radiation penetrates to the interior of the **stent**.

L5 ANSWER 6 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:248875 USPATFULL  
TITLE: Materials and devices of enhanced electromagnetic transparency  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005216075	A1	20050929
APPLICATION INFO.:	US 2005-45790	A1	20050128 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-974412, filed on 27 Oct 2004, PENDING Continuation-in-part of Ser. No. US 2005-29187, filed on 4 Jan 2005, PENDING Continuation-in-part of Ser. No. US 2004-923579, filed on 20 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, GRANTED, Pat. No. US 6914412 Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-559555P	20040405 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	24 Drawing Page(s)	
LINE COUNT:	10297	

AB Materials, devices and methods are described for making and using devices of enhanced electromagnetic transparency. Desirable embodiments include for example, nanomagnetic compositions that provide series

and/or parallel resonances that act to diminish induced current and/or voltage in devices and thereby alter electromagnetic penetration. Devices, including medical implants, such as stents, may be formed or modified in a variety of protective conformations. Such conformations include, for example, the addition or formulation with layer(s) of protective material or with of discrete components such as multiple capacitors and inductors.

L5 ANSWER 7 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:240095 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA  
Avelar, Rui, Vancouver, CANADA  
Loss, Troy A. E., North Vancouver, CANADA  
PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005208095	A1	20050922
APPLICATION INFO.:	US 2004-996354	A1	20041122 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US	
NUMBER OF CLAIMS:	101	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	32 Drawing Page(s)	
LINE COUNT:	34089	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:226572 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA

PATENT ASSIGNEE(S): Avelar, Rui, Vancouver, CANADA  
Loss, Troy A E., North Vancouver, CANADA  
Angiotech International AG, Zug, SWITZERLAND (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005196421	A1	20050908
APPLICATION INFO.:	US 2004-1417	A1	20041201 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US	
NUMBER OF CLAIMS:	100	
EXEMPLARY CLAIM:	1-7300	
NUMBER OF DRAWINGS:	32 Drawing Page(s)	
LINE COUNT:	34222	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric  
compositions can be used in various medical applications including the  
prevention of surgical adhesions, treatment of inflammatory arthritis,  
treatment of scars and keloids, the treatment of vascular disease, and  
the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:215464 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA  
Avelar, Rui, Vancouver, CANADA  
Loss, Troy A. E., North Vancouver, CANADA  
PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005187140	A1	20050825
APPLICATION INFO.:	US 2004-408	A1	20041129 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-586861P	20040709 (60)



US 2004-566569P 20040428 (60)  
 US 2004-611077P 20040917 (60)  
 US 2003-526541P 20031203 (60)  
 US 2003-525226P 20031124 (60)  
 US 2003-523908P 20031120 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
 AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US  
 NUMBER OF CLAIMS: 103  
 EXEMPLARY CLAIM: 1-5846  
 NUMBER OF DRAWINGS: 32 Drawing Page(s)  
 LINE COUNT: 34103

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric  
 compositions can be used in various medical applications including the  
 prevention of surgical adhesions, treatment of inflammatory arthritis,  
 treatment of scars and keloids, the treatment of vascular disease, and  
 the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:214572 USPATFULL  
 TITLE: Polymer compositions and methods for their use  
 INVENTOR(S): Hunter, William L., Vancouver, CANADA  
 Toleikis, Philip M., Vancouver, CANADA  
 Gravett, David M., Vancouver, CANADA  
 Maiti, Arpita, Vancouver, CANADA  
 Liggins, Richard T., Coquitlam, CANADA  
 Takacs-Cox, Aniko, North Vancouver, CANADA  
 Avelar, Rui, Vancouver, CANADA  
 Loss, Troy A. E., North Vancouver, CANADA  
 PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005186244	A1	20050825
APPLICATION INFO.:	US 2004-1790	A1	20041202 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
 AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US  
 NUMBER OF CLAIMS: 103  
 EXEMPLARY CLAIM: 1-8540  
 NUMBER OF DRAWINGS: 32 Drawing Page(s)  
 LINE COUNT: 34060

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric  
 compositions can be used in various medical applications including the

prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:212068 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA  
Avelar, Rui, Vancouver, CANADA  
Loss, Troy A.E., North Vancouver, CANADA  
PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005183731	A1	20050825
APPLICATION INFO.:	US 2004-6908	A1	20041207 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENUE, SUITE 6300, SEATTLE, WA, 98104-7092, US	
NUMBER OF CLAIMS:	52	
EXEMPLARY CLAIM:	1-8061	
NUMBER OF DRAWINGS:	32 Drawing Page(s)	
LINE COUNT:	34032	

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

L5 ANSWER 12 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:209997 USPATFULL  
TITLE: MRI imageable medical device  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005182482	A1	20050818
APPLICATION INFO.:	US 2005-94946	A1	20050331 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No.		

US 2004-867517, filed on 14 Jun 2004, PENDING  
Continuation-in-part of Ser. No. US 2004-810916, filed  
on 26 Mar 2004, GRANTED, Pat. No. US 6846985  
Continuation-in-part of Ser. No. US 2004-808618, filed  
on 24 Mar 2004, PENDING Continuation-in-part of Ser.  
No. US 2004-786198, filed on 25 Feb 2004, PENDING  
Continuation-in-part of Ser. No. US 2004-780045, filed  
on 17 Feb 2004, PENDING Continuation-in-part of Ser.  
No. US 2003-747472, filed on 29 Dec 2003, PENDING  
Continuation-in-part of Ser. No. US 2003-744543, filed  
on 22 Dec 2003, PENDING Continuation-in-part of Ser.  
No. US 2003-442420, filed on 21 May 2003, GRANTED, Pat.  
No. US 6914412 Continuation-in-part of Ser. No. US  
2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US  
6815609

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 63 Drawing Page(s)  
LINE COUNT: 5989

AB A medical device comprised of a **coating** that inhibits  
distortion of medical resonance images taken of the device. When the  
device is exposed to radio frequency electromagnetic radiation with a  
frequency of from 10 megahertz to about 200 megahertz, at least 90  
percent of such radio frequency electromagnetic radiation penetrates to  
the lumen of the device; and the concentration of the radio frequency  
electromagnetic radiation that penetrates to the lumen of the device is  
substantially identical at different points within such interior. The  
**coating** is comprised of magnetic material with an average  
particle size of less than about 40 nanometers.

L5 ANSWER 13 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:209978 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA  
Avelar, Rui, Vancouver, CANADA  
Loss, Troy A. E., North Vancouver, CANADA  
PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND, 6304  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005182463	A1	20050818
APPLICATION INFO.:	US 2004-1788	A1	20041202 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)

US 2003-525226P 20031124 (60)  
 US 2003-523908P 20031120 (60)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
 AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US  
 NUMBER OF CLAIMS: 125  
 EXEMPLARY CLAIM: 1-8059  
 NUMBER OF DRAWINGS: 32 Drawing Page(s)  
 LINE COUNT: 34070  
 AB Compositions comprising anti-fibrotic agent(s) and/or polymeric  
 compositions can be used in various medical applications including the  
 prevention of surgical adhesions, treatment of inflammatory arthritis,  
 treatment of scars and keloids, the treatment of vascular disease, and  
 the prevention of cartilage loss.

L5 ANSWER 14 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2005:205930 USPATFULL  
 TITLE: Polymer compositions and methods for their use  
 INVENTOR(S): Hunter, William L., Vancouver, CANADA  
 Toleikis, Philip M., Vancouver, CANADA  
 Gravett, David M., Vancouver, CANADA  
 Maiti, Arpita, Vancouver, CANADA  
 Liggins, Richard T., Coquitlam, CANADA  
 Takacs-Cox, Aniko, North Vancouver, CANADA  
 Avelar, Rui, Vancouver, CANADA  
 Loss, Troy A. E., North Vancouver, CANADA  
 PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005178396	A1	20050818
APPLICATION INFO.:	US 2004-6905	A1	20041207 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
 AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US  
 NUMBER OF CLAIMS: 50  
 EXEMPLARY CLAIM: 1-8063  
 NUMBER OF DRAWINGS: 32 Drawing Page(s)  
 LINE COUNT: 33965  
 AB Compositions comprising anti-fibrotic agent(s) and/or polymeric  
 compositions can be used in various medical applications including the  
 prevention of surgical adhesions, treatment of inflammatory arthritis,  
 treatment of scars and keloids, the treatment of vascular disease, and  
 the prevention of cartilage loss.

L5 ANSWER 15 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:205929 USPATFULL  
 TITLE: Polymer compositions and methods for their use  
 INVENTOR(S): Hunter, William L., Vancouver, CANADA  
 Toleikis, Philip M., Vancouver, CANADA  
 Gravett, David M., Vancouver, CANADA  
 Maiti, Arpita, Vancouver, CANADA  
 Liggins, Richard T., Coquitlam, CANADA  
 Takacs-Cox, Aniko, North Vancouver, CANADA  
 Avelar, Rui, Vancouver, CANADA  
 Loss, Troy A. E., North Vancouver, CANADA  
 PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005178395	A1	20050818
APPLICATION INFO.:	US 2004-6900	A1	20041207 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US  
 NUMBER OF CLAIMS: 58  
 EXEMPLARY CLAIM: 1-7302  
 NUMBER OF DRAWINGS: 32 Drawing Page(s)  
 LINE COUNT: 34043  
 AB Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

L5 ANSWER 16 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2005:202285 USPATFULL  
 TITLE: Polymer compositions and methods for their use  
 INVENTOR(S): Hunter, William L., Vancouver, CANADA  
 Toleikis, Philip M., Vancouver, CANADA  
 Gravett, David M., Vancouver, CANADA  
 Maiti, Arpita, Vancouver, CANADA  
 Liggins, Richard T., Coquitlam, CANADA  
 Takacs-Cox, Aniko, North Vancouver, CANADA  
 Avelar, Rui, Vancouver, CANADA  
 Loss, Troy A. E., North Vancouver, CANADA  
 PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005175703	A1	20050811
APPLICATION INFO.:	US 2004-6888	A1	20041207 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22		

Nov 2004, PENDING Continuation-in-part of Ser. No. US  
2004-986231, filed on 10 Nov 2004, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US	
NUMBER OF CLAIMS:	55	
EXEMPLARY CLAIM:	1-7576	
NUMBER OF DRAWINGS:	32 Drawing Page(s)	
LINE COUNT:	33992	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:202247 USPATFULL  
TITLE: Polymer compositions and methods for their use  
INVENTOR(S): Hunter, William L., Vancouver, CANADA  
Toleikis, Philip M., Vancouver, CANADA  
Gravett, David M., Vancouver, CANADA  
Maiti, Arpita, Vancouver, CANADA  
Liggins, Richard T., Coquitlam, CANADA  
Takacs-Cox, Aniko, North Vancouver, CANADA  
Avelar, Rui, Vancouver, CANADA  
Loss, Troy A. E., North Vancouver, CANADA  
PATENT ASSIGNEE(S): Angiotech International AG, Zug, SWITZERLAND (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005175665	A1	20050811
APPLICATION INFO.:	US 2004-6896	A1	20041207 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2004-996354, filed on 22 Nov 2004, PENDING Continuation-in-part of Ser. No. US 2004-986231, filed on 10 Nov 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-611077P	20040917 (60)
	US 2004-586861P	20040709 (60)
	US 2004-566569P	20040428 (60)
	US 2003-526541P	20031203 (60)
	US 2003-525226P	20031124 (60)
	US 2003-523908P	20031120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVENYUE, SUITE 6300, SEATTLE, WA, 98104-7092, US	
NUMBER OF CLAIMS:	51	

EXEMPLARY CLAIM: 1-7822  
NUMBER OF DRAWINGS: 32 Drawing Page(s)  
LINE COUNT: 33978

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions comprising anti-fibrotic agent(s) and/or polymeric compositions can be used in various medical applications including the prevention of surgical adhesions, treatment of inflammatory arthritis, treatment of scars and keloids, the treatment of vascular disease, and the prevention of cartilage loss.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:190551 USPATFULL  
TITLE: Implantable medical device  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005165471	A1	20050728
APPLICATION INFO.:	US 2004-950148	A1	20040924 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-923579, filed on 20 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US

NUMBER OF CLAIMS: 35  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 19 Drawing Page(s)  
LINE COUNT: 5434

AB A **metallic stent** that, when it is contacted with an input alternating current electromagnetic field and a static magnetic field that contacts biological matter located within the **stent**, an output signal is produced that that has a fixed phase relationship with the input signal and that has a magnitude that is at least about 0.01 times as great as the magnitude of the input signal.

L5 ANSWER 19 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:180401 USPATFULL  
TITLE: Coated substrate assembly  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005155779	A1	20050721
APPLICATION INFO.:	US 2005-67325	A1	20050225 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US		
NUMBER OF CLAIMS:	78		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	50 Drawing Page(s)		
LINE COUNT:	5856		

AB A **coated** assembly comprised of a **coating** that has a relative magnetic permeability of at least 1.1 over the range of frequencies of from about 10 megahertz to about 200 megahertz, an increase of such relative magnetic permeability over such range of from about  $1+10.\text{sup.}-14$  to about  $1+10.\text{sup.}-6$  per hertz, and a magnetization, when measured at a direct current magnetic field of 2 Tesla, of from about 0.1 to about 10 electromagnetic units per cubic centimeter.

L5 ANSWER 20 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2005:172420 USPATFULL  
 TITLE: Implantable medical device  
 INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
 Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005149169	A1	20050707
APPLICATION INFO.:	US 2004-974412	A1	20041027 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-950148, filed on 24 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-923579, filed on 20 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed		



on 29 Dec 2003, PENDING Continuation-in-part of Ser.  
No. US 2003-744543, filed on 22 Dec 2003, PENDING  
Continuation-in-part of Ser. No. US 2003-442420, filed  
on 21 May 2003, PENDING Continuation-in-part of Ser.  
No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat.  
No. US 6815609

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US  
NUMBER OF CLAIMS: 59  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 26 Drawing Page(s)  
LINE COUNT: 6156  
AB An implantable medical device assembly that contains magnetic material  
with a saturation magnetization of at least about 0.15 Tesla and which  
has a direct current permeability at a static magnetic field value of  
1.5 Tesla of at least 1.1. When the magnetic material and is  
simultaneously subjected to an alternating current electromagnetic field  
with a frequency of 64 megahertz and a static magnetic field of 1.5  
Tesla, it has a magnetization of less than 100 electromagnetic units per  
cubic centimeter.

L5 ANSWER 21 OF 31 USPATFULL on STN  
ACCESSION NUMBER: 2005:172253 USPATFULL  
TITLE: Markers for visualizing interventional medical devices  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Shellock, Frank G., Los Angeles, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005149002	A1	20050707
APPLICATION INFO.:	US 2004-999185	A1	20041129 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-974412, filed on 27 Oct 2004, PENDING Continuation-in-part of Ser. No. US 2004-950148, filed on 24 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-923579, filed on 20 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET  
SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US  
NUMBER OF CLAIMS: 75  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 27 Drawing Page(s)

LINE COUNT: 6317

AB A marking material that, when disposed upon medical devices used during interventional medical procedures with imaging modalities such as X-ray Fluoroscopy and Magnetic Resonance Imaging, renders such medical devices visible with minimal imaging artifacts. The material comprises a particulate material with generally higher atomic weight disposed within a matrix material with generally lower atomic weight. In one embodiment the particulate material is magnetic. In another embodiment the particulate material is non-magnetic.

L5 ANSWER 22 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:139071 USPATFULL

TITLE: Energetically controlled delivery of biologically active material from an implanted medical device

INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005119725	A1	20050602
APPLICATION INFO.:	US 2004-941736	A1	20040915 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-923579, filed on 20 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US		
NUMBER OF CLAIMS:	43		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	14 Drawing Page(s)		
LINE COUNT:	4855		

AB An implantable medical assembly that contains a substrate, and nanomagnetic material and a therapeutic agent located over the substrate. A barrier is located between the therapeutic agent and biological material. When the assembly is exposed to electromagnetic radiation, the barrier between the biological material and the therapeutic agent is removed.

L5 ANSWER 23 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:125479 USPATFULL

TITLE: Medical device with multiple coating layers

INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005107870	A1	20050519
APPLICATION INFO.:	US 2004-923579	A1	20040820 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-914691, filed on 9 Aug 2004, PENDING Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US		
NUMBER OF CLAIMS:	62		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	54 Drawing Page(s)		
LINE COUNT:	18628		

AB An implantable medical device that contains two **coating** layers disposed above at least one of its surfaces. The first **coating** layer contains a biologically active material; and the second **coating** layer contains a polymeric material and nanomagnetic material disposed on the first **coating** layer; the second **coating** layer is substantially free of the biologically active material. The nanomagnetic material has a saturation magnetization of from about 2 to about 3000 electromagnetic units per cubic centimeter, and it contains nanomagnetic particles with an average particle size of less than about 100 nanometers; the average coherence length between adjacent nanomagnetic particles is less than 100 nanometers.

L5 ANSWER 24 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2005:117278 USPATFULL  
 TITLE: Multivalent carriers of bi-specific antibodies  
 INVENTOR(S): Hansen, Hans J., Picayune, MS, UNITED STATES  
 McBride, William J., Boonton, NJ, UNITED STATES  
 Qu, Zhengxing, Warren, NJ, UNITED STATES  
 PATENT ASSIGNEE(S): Immunomedics, Inc., Morris Plains, NJ, UNITED STATES  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005100543	A1	20050512
APPLICATION INFO.:	US 2004-882151	A1	20040701 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-483832P	20030701 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HELLER EHRMAN WHITE & MCAULIFFE LLP, 1717 RHODE ISLAND	

AVE, NW, WASHINGTON, DC, 20036-3001, US  
NUMBER OF CLAIMS: 35  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Page(s)  
LINE COUNT: 5871

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are targetable constructs that are multivalent carriers of bi-specific antibodies, i.e., each molecule of a targetable construct can serve as a carrier of two or more bi-specific antibodies. Also provided are targetable complexes formed by the association of a targetable construct with two or more bi-specific antibodies. The targetable constructs and targetable complexes of the invention are incorporated into biosensors, kits and pharmaceutical compositions, and are used in a variety of therapeutic and other methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:92457 USPATFULL  
TITLE: Medical device with low magnetic susceptibility  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES  
Gunderman, Robert D., Honeyoye Falls, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005079132	A1	20050414
APPLICATION INFO.:	US 2004-914691	A1	20040809 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-887521, filed on 7 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, GRANTED, Pat. No. US 6846985 Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408, US		
NUMBER OF CLAIMS:	127		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	52 Drawing Page(s)		
LINE COUNT:	17912		

AB An assembly with a substrate, nanomagnetic material and magetoresistive material. The nanomagnetic material has a saturation magentization of from about 2 to about 3000 electromagnetic units per cubic centimeter; and it contains nanomagnetic particles with an average particle size of less than about 100 nanometers. The average coherence length between adjacent nanomagnetic particles is less than 100 nanometers.

L5 ANSWER 26 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2005:30367 USPATFULL  
TITLE: Medical device with low magnetic susceptibility

INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard Jay, Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005025797	A1	20050203
APPLICATION INFO.:	US 2004-887521	A1	20040707 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-867517, filed on 14 Jun 2004, PENDING Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, GRANTED, Pat. No. US 6815609		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408		
NUMBER OF CLAIMS:	137		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	42 Drawing Page(s)		
LINE COUNT:	17461		
AB	An assembly that contains a medical device and biological material within which the medical device is disposed. The assembly has a magnetic susceptibility within the range of plus or minus 1+10.sup.-3 centimeter-gram-seconds		

L5 ANSWER 27 OF 31 USPATFULL on STN  
ACCESSION NUMBER: 2004:321764 USPATFULL  
TITLE: Therapeutic assembly  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES  
Lanzafame, John, Victor, NY, UNITED STATES  
Weiner, Michael L., Webster, NY, UNITED STATES  
Connelly, Patrick R., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004254419	A1	20041216
APPLICATION INFO.:	US 2004-867517	A1	20040614 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-810916, filed on 26 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-808618, filed on 24 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-786198, filed on 25 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2004-780045, filed on 17 Feb 2004, PENDING Continuation-in-part of Ser. No. US 2003-747472, filed on 29 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-744543, filed on 22 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-409505, filed on 8 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-442420, filed on 21 May 2003, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET		

SUITE 2490, EAST ROCHESTER, NY, 14445-2408  
NUMBER OF CLAIMS: 175  
EXEMPLARY CLAIM: CLM-1-177  
NUMBER OF DRAWINGS: 40 Drawing Page(s)  
LINE COUNT: 16208

AB A therapeutic assembly that contains a therapeutic agent, a cytotoxic radioactive material, and a nanomagnetic material with nanomagnetic particles. The nanomagnetic particles have an average particle size of less than about 100 nanometers; and the average coherence length between adjacent nanomagnetic particles is less than 100 nanometers. The nanomagnetic material has a saturation magnetization of from about 2 to about 3000 electromagnetic units per cubic centimeter, a phase transition temperature of from about 40 to about 200 degrees Celsius, and a saturation magnetization of from about 2 to about 3,000 electromagnetic units per cubic centimeter

L5 ANSWER 28 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2004:268745 USPATFULL  
TITLE: Novel nanomagnetic particles  
INVENTOR(S): Wang, Xingwu, Wellsville, NY, UNITED STATES  
Greenwald, Howard J., Rochester, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004210289	A1	20041021
APPLICATION INFO.:	US 2004-808618	A1	20040324 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-366082, filed on 13 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2002-324773, filed on 18 Dec 2002, PENDING Continuation-in-part of Ser. No. US 2002-90553, filed on 4 Mar 2002, PENDING Continuation-in-part of Ser. No. US 2002-229183, filed on 26 Aug 2002, PENDING Continuation-in-part of Ser. No. US 2002-242969, filed on 13 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2002-260247, filed on 30 Sep 2002, GRANTED, Pat. No. US 6673999 Continuation-in-part of Ser. No. US 2002-273738, filed on 18 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-303264, filed on 25 Nov 2002, GRANTED, Pat. No. US 6713671 Continuation-in-part of Ser. No. US 2002-313847, filed on 7 Dec 2002, PENDING Continuation-in-part of Ser. No. US 2002-303264, filed on 25 Nov 2002, GRANTED, Pat. No. US 6713671		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOWARD J. GREENWALD P.C., 349 W. COMMERCIAL STREET SUITE 2490, EAST ROCHESTER, NY, 14445-2408		
NUMBER OF CLAIMS:	98		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	51 Drawing Page(s)		
LINE COUNT:	11684		

AB A composition containing nanomagnetic particles. The, nanomagnetic particles have an average particle size of less than about 100 nanometers, a saturation magnetization of from about 2 to about 2,000 electromagnetic units per cubic centimeter, a phase transition temperature of from about 40 to about 200 degrees Celsius, and a squareness of from about 0.05 to about 1.0; the average coherence length between adjacent nanomagnetic particles is less than about 100 nanometers; and the nanomagnetic particles are at least triatomic.

L5 ANSWER 29 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2004:144772 USPATFULL  
 TITLE: Native protein mimetic fibers, fiber networks and fabrics for medical use  
 INVENTOR(S): Chaikof, Elliot L, Atlanta, GA, UNITED STATES  
 Conticello, Vincent, Atlanta, GA, UNITED STATES  
 Huang, Lei, Duluth, GA, UNITED STATES  
 Nagapudi, Karthik, Atlanta, GA, UNITED STATES

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2004110439	A1	20040610
APPLICATION INFO.:	US 2003-258207	A1	20030221 (10)
	WO 2001-US12918		20010420
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Greenlee Winner and Sullivan, Suite 201, 5370 Manhattan Circle, Boulder, CO, 80303		
NUMBER OF CLAIMS:.	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	29 Drawing Page(s)		
LINE COUNT:	1951		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB The present disclosure provides spun fibers of proteins useful for the fibers, fiber networks and nonwoven fabrics for medical use, with these materials characterized by good biocompatibility properties (e.g., low tendency toward thromboses and inflammation when implanted into a human or animal). These materials can be fabricated from gelatin, collagen or elastin-mimetic proteins, functionalized proteins of the foregoing types, crosslinked functionalized proteins of the foregoing types, and there may be incorporated nonproteinaceous polymers and/or therapeutic proteins or other medicinal compounds. Additionally, there may be living cells colonized on the material of the present invention or living cells may be incorporated during the fabrication process. These materials can be used in medical applications including, without limitation, vascular grafts, reinforcement of injured tissue, wound healing, artificial organs and tissues, prosthetic heart valves and prosthetic ureters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 30 OF 31 USPATFULL on STN  
 ACCESSION NUMBER: 2003:289232 USPATFULL  
 TITLE: **Coating** composition for multiple hydrophilic applications  
 INVENTOR(S): Schottman, Thomas C., Flemington, NJ, UNITED STATES  
 Hennessey, Patrick M., Fords, NJ, UNITED STATES  
 Gruening, Rainer, Basking Ridge, NJ, UNITED STATES  
 PATENT ASSIGNEE(S): Hydromer, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2003203991	A1	20031030
APPLICATION INFO.:	US 2002-260823	A1	20020927 (10)
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	NUMBER	DATE	
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PRIORITY INFORMATION:	US 2002-376983P		20020430 (60)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HOFFMANN & BARON, LLP, 6900 JERICHO TURNPIKE, SYOSSET, NY, 11791		
NUMBER OF CLAIMS:	120		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2877		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A **coating** composition is disclosed which comprises an aqueous polymeric matrix, a hydrophilic polymer, a colloidal **metal** oxide and a crosslinker. The **coating** composition when applied on medical devices is hydrophilic, shows improved lubricity, abrasion resistance and substrate adhesion on **metallic** or plastic substrates. The **coating** also shows improved water sheeting thus providing the **coated** substrates with anti-fog properties. The **coating** absorbs aqueous dye or stain solutions making the substrate suitable for printing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 31 USPATFULL on STN

ACCESSION NUMBER: 2002:157930 USPATFULL

TITLE: Microneedle devices and production thereof

INVENTOR(S): Park, Jung-Hwan, Atlanta, GA, UNITED STATES  
Prausnitz, Mark R., Decatur, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002082543	A1	20020627
APPLICATION INFO.:	US 2001-23259	A1	20011214 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-255603P	20001214 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	54	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Page(s)	
LINE COUNT:	1592	

AB Microneedle devices and methods of manufacture are provided for transport of molecules or energy across or into biological barriers, such as skin. The device can comprise one or more microneedles formed of a first material and a second material, wherein the second material is dispersed throughout the first material or forms a portion of the microneedle. The first material preferably is a polymer. The second material can be pore forming agents, structural components, biosensor, or molecules for release, such as drug. The device also can comprise a substrate and a plurality of microneedles extending from the substrate, wherein the microneedles have a beveled or tapered tip portion, a longitudinally extending exterior channel, or both. Methods of making these devices include providing a mold having a plurality of microdepressions which define the surface of a microneedle; filling the microdepressions with a first molding material; and molding the material, thereby forming microneedles.